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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8302 (1977): Braided Tape for Berets [TXD 12: Narrow Fabrics, Webbings and Braids]

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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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Indian Standard

## SPECIFICATION FOR BRAIDED TAPE FOR BERETS

**1. Scope** — Covers braided tape for berets made from viscose-rayon-spun staple yarn.

**2. Manufacture**

**2.1 Yarn** — 16s (or 37 tex) spun from viscose rayon cut staple.

**2.2 Braided Tape** — Flat braided on 16 spindle machine with 3 ends working as one under even tension, with uniform and firm selvedges, and free from all braiding defects.

**2.2.1** It shall be free from sizing, filling and dressing materials and from substances liable to cause subsequent tendering.

**2.2.2** It shall normally be dyed black and the dyeing should be free from stains, streaks, etc.

**2.2.3** Sulphur dyes shall not be used.

**3. Requirements** — See Tables 1 and 2.

**TABLE 1 PHYSICAL REQUIREMENTS OF BRAIDED TAPE FOR BERETS**

Length	Width	Mass	Ends in Full Width, Min	Breaking Strength (25 cm × Full Width) Min
m	mm	g/100 m		N (kgf)
100 ± 5	10 ± 2	180 ± 10	48	216 (22)
Methods of Test	5 of IS : 1954-1969*    6 of IS : 1954-1969*	7.2.1 of IS : 1964-1970†	—	9 to 11 of IS : 1969-1968‡

\*Method for determination of length and width of fabrics (*first revision*).  
 †Method for determination of weight per square metre and weight per linear metre of fabrics (*first revision*).  
 ‡Method for determination of breaking load and elongation at break of woven textile fabrics (*first revision*).

**TABLE 2 CHEMICAL REQUIREMENTS OF BRAIDED TAPE FOR BERETS**

SI No.	Characteristic	Requirement	Method of Test
(1)	(2)	(3)	(4)
i)	pH value	5.5 to 8.5	IS : 1390-1961*
ii)	Colour fastness to:		
a)	light		IS : 2454-1967†
b)	washing test 2		IS : 3361-1965‡
c)	organic solvents	4 or better	IS : 688-1956§
d)	perspiration		IS : 971-1956

\*Methods for determination of pH value of aqueous extracts of textile materials.  
 †Methods for determination of colour fastness of textile materials to artificial light (xenon lamp).  
 ‡Method for determination of colour fastness of textile materials to washing: Test 2.  
 §Method for determination of colour fastness of textile materials to organic solvents.  
 ||Method for determination of colour fastness of textile materials to perspiration.

**4. Make-Up and Packing** — Tapes shall be made into light rolls. The rolls shall be arranged in cylindrical bundles and shall be secured by twine of adequate strength. These bundles shall be wrapped in 2 layers of kraft paper [ See IS : 1397-1967 Specification for kraft paper (*first revision*) ] followed by a third layer of waterproof packing paper (see IS:1398-1968 Specification for packing paper, waterproof, bitumen laminated) and finally with an outer layer of cloth heavy cee ( see IS : 3751-1966 Specification for heavy cee cloth ) to form a bale.

**5. Marking**

**5.1** Each roll shall be marked with the following:

- a) Name of the material;
- b) Name of the manufacturer, initials or trade-mark, if any;
- c) Length of tape in the roll ( m ) and width ( mm );
- d) Year of manufacture.

**5.2 ISI Certification Marking** — Optional; details available with the Indian Standards Institution.

**EXPLANATORY NOTE**

This Standard covers the requirements of braided tape given in IND/TC/4052 Berets, knitted, one-piece, issued by Ministry of Defence, Government of India.